Printed by EAST

UserID: DMariam

Computer: WS07216

Date: 12/22/04

Time: 2:56 PM

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	IS&R	L1	3415	(382/103,149,171,180,190,197,199,202,203,216,266,273).CCLS.	USPAT	2004/12/22 14:02			
2	BRS	L2	322	(contour$1 or boundar$3 or shape$1) same (straight adj line$1) same extract$4	USPAT	2004/12/22 14:06			
3	BRS	L3	121	2 same imag$3	USPAT	2004/12/22 14:06			
4	BRS	L4	34	3 same edge$1	USPAT	2004/12/22 14:06			
5	BRS	L5	0	4 same ((label$4 or tag$4) near3 line$1)	USPAT	2004/12/22 14:07			
6	BRS	L6	0	2 same ((label$4 or tag$4) near3 line$1)	USPAT	2004/12/22 14:07			
7	BRS	L7	876	((label$4 or tag$4) near3 line$1) same imag$3	USPAT	2004/12/22 14:07			
8	BRS	L8	6	2 and 7	USPAT	2004/12/22 14:14			
9	BRS	L9	3858	line adj label$4	USPAT	2004/12/22 14:15			
10	BRS	L10	78	9 same (straight adj line$1)	USPAT	2004/12/22 14:27			
11	BRS	L11	7	10 same edge$1	USPAT	2004/12/22 14:16			
12	BRS	L12	1	1 and 10	USPAT	2004/12/22 14:17			
13	BRS	L13	8	9 same (line$1 near3 extract$5)	USPAT	2004/12/22 14:19			

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
14	BRS	L14	2641	line$1 with imag$3 with extract$4	USPAT	2004/12/22 14:19			
15	BRS	L15	13	14 same label1$5	USPAT	2004/12/22 14:24			
16	BRS	L16	1	1 and 10	USPAT	2004/12/22 14:24			
17	BRS	L17	1	10 same (histogram$5 or peak$1)	USPAT	2004/12/22 14:25			
18	BRS	L18	0	(edge$1 adj pixel$1) same contour$1 same (line$1 near2 label$4) same imag$3	USPAT	2004/12/22 14:26			
19	BRS	L19	2	edge$1 same contour$1 same (line$1 near2 label$4) same imag$3	USPAT	2004/12/22 14:27			
20	BRS	L20	3854	label$5 near3 edge$1	USPAT	2004/12/22 14:27			
21	BRS	L21	142	9 and 20	USPAT	2004/12/22 14:27			
22	BRS	L23	1	1 and 22	USPAT	2004/12/22 14:56			
23	BRS	L22	21	21 and (straight adj line$1)	USPAT	2004/12/22 14:29			
24	IS&R	L24	137	(382/195).CCLS.	USPAT	2004/12/22 14:56			
25	BRS	L25	0	15 and 24	USPAT	2004/12/22 14:56			

Web Images Groups[New!] News Froogle more »

straight line extracting image Search Advanced Search Preferences

Web Results **1** - **10** of about **213,000** for **straight line extracting image**. (**0.22** seconds)

Tip: Looking for pictures? Try Google Images

Extraction of **Straight Lines** in Aerial **Images**
... A **straight-line** extractor that produces **line** descriptions from ... the pixel support of the **line** is generated ... many of the physically insignificant **lines**, given that ...
portal.acm.org/citation.cfm?id=141782 - Similar pages

Extracting straight lines
... Motion and Structure from **Line** Correspondences; Closed ... Rama Chellappa, **Extraction** of **Straight Lines** in Aerial ... Detection and Linear Feature **Extraction** Using a 2 ...
portal.acm.org/citation.cfm?id=5995 - Similar pages
[More results from portal.acm.org]

High Level **Image** Processing, feature **extraction**
... of more complex methods that can **extract** basic shape ... can be used to detect **straight lines** from edges ... If the pixels detected fall on a **straight line** then they ...
www.ccg.leeds.ac.uk/ian/msc/node23.html - 7k - Cached - Similar pages

[PDF] Hough Transform
File Format: PDF/Adobe Acrobat - View as HTML
... We will consider **straight line extraction** first. ... the ideal case where we have one **straight line**, there will ... cause a problem when there are several **lines** in the ...
www.doc.ic.ac.uk/~gzy/teaching/vision/vision-s07.pdf - Similar pages

Photoshop - **Extracting** - Method 1
... One thing to keep in mind - - the Polygonal lasso tool is a "**straight line**" tool ... didn't. So I created a background on a couple of layers under the **image** of Hans ...
www.soniacoleman.com/Tutorials/method1.htm - 22k - Cached - Similar pages

[PDF] **EXTRACTING** GENERIC CLUSTERS USING EDGE-BASED FEATURES FROM **IMAGE ...**
File Format: PDF/Adobe Acrobat - View as HTML
... Weighting (1) ♦ After the **extraction** of all **straight lines** several properties ... Long **straight line** segments often describe roads, rivers and might ...
lmb.informatik.uni-freiburg.de/ people/gbrunner/dagstuhl/dagstuhl_04.pdf - Similar pages

[PDF] Urban BUILDING BOUNDARY **EXTRACTION** FROM IKONOS IMAGERY Abstract ...
File Format: PDF/Adobe Acrobat - View as HTML
... the dominant direction in the original **image**, the Hough ... Instead of **extracting line** segments with two end points ... here finds the infinite **straight lines** on which ...
www.casi.ca/papers/3-08.pdf - Similar pages

Vectorisation - Thinning
... tends to be better at **extracting straight lines** from a ... methods, whilst retaining good **straight line** recognition and ... method will shorten some **lines**, which may ...
homepage.ntlworld.com/heatons/ softsoft/wintopo/help/html/vectorise.htm - 6k - Cached - Similar pages

Projects Past and Present
... concept to locate the projection of **straight** horizontal **lines** ... by a family of horizontal **lines** theta_main, D_main ... This is similar to the point-**line** duality in ...

h g gec e ch h e gh e e c g ge b g e

www.cs.ualberta.ca/~fiala/pht.htm - 7k - Cached - Similar pages

[PDF] **Straight lines** have to be **straight**
File Format: PDF/Adobe Acrobat - View as HTML
... though the camera must contain 3D **lines** and segments. ... Edge **extraction** and polygonal ap- proximation is ... undistorted) edges, this way **straight line** segments that ...
devernay.free.fr/publis/distcalib-mva.pdf - Similar pages

Goooooooooogle ▶
Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

Google vacation Search Desktop
Found: 427 emails - 16 files - 1 chat - 25 web history
Free! Google Desktop Search: Search your own computer. Download now.

straight line extracting image Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2004 Google

h g g e c e c h h e g h e e c g g e b g e

Web Images Groups[New!] News Froogle more »

straight line extracting image Search Advanced Search Preferences

Web Results **11** - **20** of about **213,000** for **straight line extracting image**. (**0.08** seconds)

Tip: Looking for pictures? Try Google Images

[PDF] Applied review of ultrasound **image** feature **extraction** methods
File Format: PDF/Adobe Acrobat - View as HTML
... output in Figure 4(b) displays **straight line** features using a ... **Lines** 1 and 2 highlight the tendon edges well ... of how to proceed with **extracting** tendon features ...
www.cs.bris.ac.uk/Publications/Papers/1000641.pdf - Similar pages

[PDF] AUTOMATED ROAD SEGMENT **EXTRACTION** BY GROUPING ROAD OBJECTS
File Format: PDF/Adobe Acrobat - View as HTML
... curves, polygons composed by short **straight lines** are not ... The **straight line** segment of the base polygon not ... appropriate for road segment **extraction** from medium ...
www.isprs.org/istanbul2004/comm3/papers/309.pdf - Similar pages

[PDF] FUSING STEREO LINEAR CCD **IMAGE** AND LASER RANGE DATA FOR BUILDING ...
File Format: PDF/Adobe Acrobat
... Also, a corresponding **straight** edge is searched on the epipolar **line** (See, Figure 11 ... 3D coordinates with forward intersection, 3D **lines** are generated ...
www.isprs.org/commission4/proceedings/pdfpapers/487.pdf - Similar pages
[More results from www.isprs.org]

[PDF] A Model of Stroke Segmentation
File Format: PDF/Adobe Acrobat - View as HTML
... model performs well to **extract straight lines**, smooth curves ... filtering for multiple orientation **line** segmentation, Proceedings ... Curves and zigzag **lines**: (a) The ...
www.comp.nus.edu.sg/labs/ chime/da/paperdownload/cao00icarc.pdf - Similar pages

[PDF] Text **Extraction** from Gray Scale Document **Images** Using Edge ...
File Format: PDF/Adobe Acrobat - View as HTML
... marked for elimination are short isolated **lines** and spurs ... **Straight Line** Approximation (s) 1.47 1.53 ... RG Casey, "Block segmentation and text **extraction** in mixed ...
www.comp.nus.edu.sg/labs/ chime/da/paperdownload/yuan01icdar.pdf - Similar pages
[More results from www.comp.nus.edu.sg]

[PDF] Author Guidelines for 8
File Format: PDF/Adobe Acrobat - View as HTML
... and m=∞ are used in representing **straight lines**, free curves ... between the different types of **line** segment be ... contour between the joint points **extracted** by the ...
mcs.une.edu.au/~kwan/publications/pdf/icip2002-zoe.pdf - Similar pages

[PDF] A New Method on Assigning Function Types to **Line** Segments for ...
File Format: PDF/Adobe Acrobat - View as HTML
... of the earlier multi-stage joint points **extraction** method, the ... are given higher priority than **straight lines** or arcs ... scheme of function types to **line** segments. ...
mcs.une.edu.au/~kwan/publications/ pdf/pacrim03-kawazoe.pdf - Similar pages
[More results from mcs.une.edu.au]

[PDF] METRIC INFORMATION **EXTRACTION** FROM SPOT **IMAGES** AND THE ROLE OF ...
File Format: PDF/Adobe Acrobat - View as HTML

h g gec e ch gh e e c g ge h e

... in order to be successful, **straight** epipolar **lines** can be ... Threshold of distance to the **straight line** [pixel] ... METRIC INFORMATION **EXTRACTION** FROM SPOT **IMAGES** 5 ...
e-collection.ethbib.ethz.ch/ show?type=inkonf&nr=108&part=text - Similar pages

SuperCOSMOS Sky Surveys
... value for the slope of the **straight line** portion of ... SSS **images**: DENSITY only The same PN region was **extracted**. ... iraf imstat on this fits **image** reveals: imstat ...
www-wfau.roe.ac.uk/sss/halpha/hapixel_units.html - 15k - Cached - Similar pages

Knowledge-Based **Image** Analysis for 3D Road Reconstruction
... 2D edges and their corresponding 3D **straight lines** are kept ... outside, at the border) is attached to each **line**. ... The region between the projected **lines** must belong ...
www.gisdevelopment.net/ aars/acrs/2000/ts4/digi0001b.shtml - 15k - Cached - Similar pages

◀ Goooooooooogle ▶
Result Page: **Previous** 1 2 3 4 5 6 7 8 9 10 11 **Next**

straight line extracting image Search

Search within results | Language Tools | Search Tips

Google Home - Advertising Programs - Business Solutions - About Google

©2004 Google

h g g e c e c h g h e e c g g e h e

Web Images Groups[New!] News Froogle more »

straight line extracting image Search Advanced Search Preferences

Web Results **21** - **30** of about **213,000** for **straight line extracting image**. (**0.12** seconds)

Tip: Looking for pictures? Try Google Images

A Practical Example
... these three pre-processes we have a list of all **lines**, curved or **straight**, a list of all **line** intersections (two or three **line** intersections) and a ...
www.cs.cf.ac.uk/Dave/AI2/node97.html - 7k - Cached - Similar pages

[PDF] Angle **Extraction** Using Digital **Image** Processing
File Format: PDF/Adobe Acrobat - View as HTML
... equations from a digital **image** containing multiple **straight lines**. ... the relative orientation between **lines** independently of ... true size of the **line** segments being ...
www.mae.carleton.ca/~jhayes/ Papers/Digital-Image-Processing.pdf - Similar pages

Raster to Vector Conversion -- Vectorization
... details more accurately and the **line** edges stay ... tends to be better at **extracting straight lines** from a ... an original **image** which comprises mainly **straight lines**. ...
www.parallax69software.com/vectorize.htm - 19k - Cached - Similar pages

Lecture 1: Introduction to Vision Systems
... in gradient, which would correspond to **straight lines**, or second ... simplest case is when we group pixels into **lines**. We can then express the **line** in a functional ...
www.doc.ic.ac.uk/~dfg/vision/v01.html - 15k - Cached - Similar pages
[More results from www.doc.ic.ac.uk]

Segmentation : **Extraction** of **straight line** segments
Extraction of **straight line** segments. AIM. ... to bring out segments of **straight lines** and the ... elements (extented or geometrically localized **lines**), adjusting **images** ...
sirius-ci.cst.cnes.fr:8220/version_anglaise/ segmentation/segmentsdroite.html - 4k - Cached - Similar pages

Computer Vision and Systems - Stephan Prince
... the outer and inner road sign contours using **straight line** segments and ... and (ii) **extracting** all junctions points between pairs of **lines**, arcs and **line**-arc ...
euler.fd.cvut.cz/research/ rs2/files/www.gel.ulaval.ca/Prince_S.html - 11k - Cached - Similar pages

Goal of FEX:
... boundaries can be approximated by **straight line** segments. ... blobs without a common boundary **line** in between ... locally complete are called VIRTUAL **lines** and VIRTUAL ...
homepages.inf.ed.ac.uk/rbf/ CVon**line**/LOCAL_COPIES/FUCHS1/fexdemo.html - 8k - Cached - Similar pages

Image Transforms - Hough Transform
... transform can detect some of the **straight lines** representing building ... distance and angle of normal **lines** drawn from ... the ability of the Hough **line** detector to ...
homepages.inf.ed.ac.uk/rbf/HIPR2/hough.htm - 24k - Cached - Similar pages
[More results from homepages.inf.ed.ac.uk]

[PPT] Representation & Description
File Format: Microsoft Powerpoint 97 - View as HTML
... have been represented as **straight lines**, as a ... Regions represented by **straight line** segments (polygonal network ... is a tool for **extracting image** components useful ...
www.spatial.maine.edu/~peggy/ Teaching/SIE_434/Lecture20.ppt - Similar pages

h g gec e ch gh e e c g ge h e

[PDF] Word **Extraction** in Text/Graphic Mixed **Image** Using 3-Dimensional ...
File Format: PDF/Adobe Acrobat - View as HTML
... **lines** and gures. In this section, we describe an **extraction** technique to determine the type of a connected component. ... by projecting them onto a **straight line**. ...
pearl.cs.pusan.ac.kr/publication/ParkHC1999ICCPOL.pdf - Similar pages

◀ Goooooooooooogle ▶
Result Page: **Previous** 1 2 **3** 4 5 6 7 8 9 10 11 12 **Next**

straight line extracting image Search

Search within results | Language Tools | Search Tips

Google Home - Advertising Programs - Business Solutions - About Google

©2004 Google

h g g e c e c h g h e e c g g e h e

ACM PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

line* <sentence> label* <sentence> extract* <sentence> ima SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used
line sentence label sentence extract sentence imag

Found **26,012** of **147,793**

Sort results by: relevance
Display results: expanded form

Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Efficient web browsing on handheld devices using page and form summarization
January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1

Full text available: pdf(4.47 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We present a design and implementation for displaying and manipulating HTML pages on small handheld devices such as personal digital assistants (PDAs), or cellular phones. We introduce methods for summarizing parts of Web pages and HTML forms. Each Web page is broken into text units that can each be hidden, partially displayed, made fully visible, or summarized. A variety of methods are introduced that summarize the text units. In addition, HTML forms are also summarized by displaying just the t ...

Keywords: PDA, Personal digital assistant, WAP, WML, forms, handheld computers, mobile computing, summarization, ubiquitous computing, wireless computing

2 Multimodal communication: Multimodal model integration for sentence unit detection
Mary P. Harper, Elizabeth Shriberg
October 2004 **Proceedings of the 6th international conference on Multimodal interfaces**

Full text available: pdf(469.02 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we adopt a direct modeling approach to utilize conversational gesture cues in detecting sentence boundaries, called SUs, in video taped conversations. We treat the detection of SUs as a classification task such that for each inter-word boundary, the classifier decides whether there is an SU boundary or not. In addition to gesture cues, we also utilize prosody and lexical knowledge sources. In this first investigation, we find that gesture features complement the prosodic and le ...

Keywords: dialog, gesture, language models, multimodal fusion, prosody, sentence boundary detection

3 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

h c g e cf c

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

4 Specification and dialogue control of visual interaction through visual rewriting systems

P. Bottoni, M. F. Costabile, P. Mussio

November 1999 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 21 Issue 6

Full text available: pdf(886.71 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Computers are increasingly being seen not only as computing tools but more so as communication tools, thus placing special emphasis on human-computer interaction (HCI). In this article, the focus is on visual HCI, where the messages exchanged between human and computer are images appearing on the computer screen, as usual in current popular user interfaces. We formalize interactive sessions of a human-computer dialogue as a structured set of legal visual sentences, i.e., as a visual languag ...

Keywords: control automaton, dialogue control, visual languages

5 Document image understanding

Sargur N. Srihari

November 1999 **Proceedings of 1986 ACM Fall joint computer conference**

Full text available: pdf(1.38 MB) Additional Information: full citation, references, citings, index terms

6 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Full text available: pdf(6.15 MB) Additional Information: full citation

Publisher Site

7 Special issue on Machine learning methods for text and images: Kernel methods for relation extraction

Dmitry Zelenko, Chinatsu Aone, Anthony Richardella

March 2003 **The Journal of Machine Learning Research**, Volume 3

Full text available: pdf(188.93 KB) Additional Information: full citation, abstract, index terms

We present an application of kernel methods to extracting relations from unstructured natural language sources. We introduce kernels defined over shallow parse representations of text, and design efficient algorithms for computing the kernels. We use the devised kernels in conjunction with Support Vector Machine and Voted Perceptron learning algorithms for the task of extracting <tt>person-affiliation</tt> and <tt>organization-location</tt> relations from text. We experim ...

8 Automating the design of graphical presentations of relational information

Jock Mackinlay

April 1986 **ACM Transactions on Graphics (TOG)**, Volume 5 Issue 2

Full text available: pdf(2.45 MB) Additional Information: full citation, abstract, references, citings, index terms

The goal of the research described in this paper is to develop an application-independent presentation tool that automatically designs effective graphical presentations (such as bar charts, scatter plots, and connected graphs) of relational information. Two problems are raised by this goal: The codification of graphic design criteria in a form that can be used by the presentation tool, and the generation of a wide variety of designs so that the presentation tool can accommodate a wide varie ...

9 Technical Papers: Inferring the environment in a text-to-scene conversion system

Richard Sproat

October 2001 **Proceedings of the international conference on Knowledge capture**

Full text available: pdf(180.65 KB) Additional Information: full citation, abstract, references, index terms

There has been a great deal of work over the past decade on inferring semantic information from text corpora. This paper is another instance of this kind of work, but is also slightly different in that we are interested not in extracting semantic information per se, but rather real-world knowledge. In particular, given a description of a particular action --- e.g. *John was eating breakfast* --- we want to know where John is likely to be, what time of day it is, and so forth. Humans on hear ...

Keywords: common sense knowledge, statistical natural language processing, text-to-scene conversion

10 Special issue on using large corpora: I: Retrieving collocations from text: Xtract

Frank Smadja

March 1993 **Computational Linguistics**, Volume 19 Issue 1

Full text available: pdf(2.41 MB) Publisher Site Additional Information: full citation, abstract, references, citings

Natural languages are full of collocations, recurrent combinations of words that co-occur more often than expected by chance and that correspond to arbitrary word usages. Recent work in lexicography indicates that collocations are pervasive in English; apparently, they are common in all types of writing, including both technical and nontechnical genres. Several approaches have been proposed to retrieve various types of collocations from the analysis of large samples of textual data. These techni ...

11 Computational strategies for object recognition

Paul Suetens, Pascal Fua, Andrew J. Hanson

March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1

Full text available: pdf(6.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

This article reviews the available methods for automated identification of objects in digital images. The techniques are classified into groups according to the nature of the computational strategy used. Four classes are proposed: (1) the simplest strategies, which work on data appropriate for feature vector classification, (2) methods that match models to symbolic data structures for situations involving reliable data and complex models, (3) approaches that fit models to the photometry and ...

Keywords: image understanding, model-based vision, object recognition

12 Document analysis: Visual signature based identification of Low-resolution document

images
Ardhendu Behera, Denis Lalanne, Rolf Ingold
October 2004 **Proceedings of the 2004 ACM symposium on Document engineering**

Full text available: pdf(2.00 MB) Additional Information: full citation, abstract, references, index terms

In this paper, we present (a) a method for identifying documents captured from low-resolution devices such as web-cams, digital cameras or mobile phones and (b) a technique for extracting their textual content without performing OCR. The first method associates a hierarchically structured visual signature to the low-resolution document image and further matches it with the visual signatures of the original high-resolution document images, stored in PDF form in a repository. The matching algor ...

Keywords: document visual signature, document-based meeting retrieval, documents' content extraction, low-resolution document image identification

13 Special issue on word sense disambiguation: Introduction to the special issue on word sense disambiguation: the state of the art
Nancy Ide, Jean Véronis
March 1998 **Computational Linguistics**, Volume 24 Issue 1

Full text available: pdf(3.44 MB) Additional Information: full citation, references, citings
Publisher Site

14 Automatic input of flow chart in document image
S. Ito
September 1982 **Proceedings of the 6th international conference on Software engineering**

Full text available: pdf(629.74 KB) Additional Information: full citation, abstract, references, index terms

The technology of document image processing has the possibility of automatic document input. By utilizing it, the flow chart in document image as the alternate expression of FORTRAN source statements is automatically input into the computer. The paper reports the algorithm and the experimental results of field segmentation and classification in document image, the recognition of flow chart including control lines and blocks, and hand-written alpha-numerical characters in the blocks and the ...

15 Special issue on word sense disambiguation: Topical clustering of MRD senses based on information retrieval techniques
Jen Nan Chen, Jason S. Chang
March 1998 **Computational Linguistics**, Volume 24 Issue 1

Full text available: pdf(2.08 MB) Additional Information: full citation, abstract, references, citings
Publisher Site .

This paper describes a heuristic approach capable of automatically clustering senses in a machine-readable dictionary (MRD). Including these clusters in the MRD-based lexical database offers several positive benefits for word sense disambiguation (WSD). First, the clusters can be used as a coarser sense division, so unnecessarily fine sense distinction can be avoided. The clustered entries in the MRD can also be used as materials for supervised training to develop a WSD system. Furthermore, if t ...

16 Automatic verb classification based on statistical distributions of argument structure
Paola Merlo, Suzanne Stevenson
September 2001 **Computational Linguistics**, Volume 27 Issue 3

Full text available: pdf(2.84 MB) Additional Information: full citation, abstract, references, citings
Publisher Site

Automatic acquisition of lexical knowledge is critical to a wide range of natural language processing tasks. Especially important is knowledge about verbs, which are the primary source of relational information in a sentence---the predicate-argument structure that relates an action or state to its participants (i.e., who did what to whom). In this work, we report on supervised learning experiments to automatically classify three major types of English verbs, based on their argument structure--sp ...

17 Translator writing systems
Jerome Feldman, David Gries
February 1968 **Communications of the ACM**, Volume 11 Issue 2

Full text available: pdf(4.47 MB) Additional Information: full citation, abstract, references, citings

A critical review of recent efforts to automate the writing of translators of programming languages is presented. The formal study of syntax and its application to translator writing are discussed in Section II. Various approaches to automating the postsyntactic (semantic) aspects of translator writing are discussed in Section III, and several related topics in Section IV.

Keywords: compiler compiler-compiler, generator, macroprocessor, meta-assembler, metacompiler, parser, semantics, syntactic analysis, syntax, syntax-directed, translator, translator writing system

18 Robust document image understanding technologies
Henry S. Baird, Daniel Lopresti, Brian D. Davison, William M. Pottenger
November 2004 **Proceedings of the 1st ACM workshop on Hardcopy document processing**

Full text available: pdf(92.22 KB) Additional Information: full citation, abstract, references, index terms

No existing document image understanding technology, whether experimental or commercially available, can guarantee high accuracy across the full range of documents of interest to industrial and government agency users. Ideally, users should be able to search, access, examine, and navigate among document images as effectively as they can among encoded data files, using familiar interfaces and tools as fully as possible. We are investigating novel algorithms and software tools at the frontiers ...

Keywords: OCR error management, document analysis, information retrieval

19 Existential second-order logic over graphs: Charting the tractability frontier
Georg Gottlob, Phokion G. Kolaitis, Thomas Schwentick
March 2004 **Journal of the ACM (JACM)**, Volume 51 Issue 2

Full text available: pdf(409.27 KB) Additional Information: full citation, abstract, references, index terms

Fagin's theorem, the first important result of descriptive complexity, asserts that a property of graphs is in NP if and only if it is definable by an existential second-order formula. In this article, we study the complexity of evaluating existential second-order formulas that belong to *prefix classses* of existential second-order logic, where a prefix class is the collection of all existential second-order formulas in prenex normal form such that the second-order and the first-order quan ...

Keywords: Existential second-order logic, NP-complete problems, finite model theory, graph coloring, graph constraints, prefix classes

20 Data clustering: a review

A. K. Jain, M. N. Murty, P. J. Flynn

September 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 3

Full text available: pdf(636.24 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Clustering is the unsupervised classification of patterns (observations, data items, or feature vectors) into groups (clusters). The clustering problem has been addressed in many contexts and by researchers in many disciplines; this reflects its broad appeal and usefulness as one of the steps in exploratory data analysis. However, clustering is a difficult problem combinatorially, and differences in assumptions and contexts in different communities has made the transfer of useful generic co ...

Keywords: cluster analysis, clustering applications, exploratory data analysis, incremental clustering, similarity indices, unsupervised learning

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

h c g e cf c

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» Se

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **14** of **1105713** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

extract* <near/10> line* <paragraph> ((edge* or pixel* (Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

1 **Extraction of straight lines in aerial images**
Venkateswar, V.; Chellappa, R.;
Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 14 , Issue: 11 , Nov. 1992
Pages:1111 - 1114

[Abstract] [PDF Full-Text (404 KB)] **IEEE JNL**

---

2 **From paper to office document standard representation**
Dengel, A.; Bleisinger, R.; Hoch, R.; Fein, F.; Hones, F.;
Computer , Volume: 25 , Issue: 7 , July 1992
Pages:63 - 67

[Abstract] [PDF Full-Text (516 KB)] **IEEE JNL**

---

3 **DNESYS-an expert system for automatic extraction of drainage netw from digital elevation data**
Qian, J.; Ehrich, R.W.; Campbell, J.B.;
Geoscience and Remote Sensing, IEEE Transactions on , Volume: 28 , Issue: 1 , Jan. 1990
Pages:29 - 45

[Abstract] [PDF Full-Text (2180 KB)] **IEEE JNL**

---

4 **Gray scale processing of hydrographic maps**
Trier, O.D.; Taxt, T.; Jain, A.K.;
Pattern Recognition, 1996., Proceedings of the 13th International Conference on , Volume: 3 , 25-29 Aug. 1996
Pages:870 - 874 vol.3

[Abstract] [PDF Full-Text (516 KB)] IEEE CNF

5 **Mask extraction from optical images of VLSI circuits**
Hong Jeong; Musicus, B.;
Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '87. , Volume: 12 , Apr 1987
Pages:602 - 605

[Abstract] [PDF Full-Text (152 KB)] IEEE CNF

6 **Feature extraction methods applied to the clustering of electrocardiographic signals. A comparative study**
Cuesta-Frau, D.; Perez-Cortes, J.C.; Andreu-Garcia, G.; Novak, D.;
Pattern Recognition, 2002. Proceedings. 16th International Conference on , Volume: 3 , 11-15 Aug. 2002
Pages:961 - 964 vol.3

[Abstract] [PDF Full-Text (300 KB)] IEEE CNF

7 **High-speed recognition of tabulated data**
Saiga, H.; Kitamura, Y.; Ida, S.;
Pattern Recognition, 1994. Vol. 2 - Conference B: Computer Vision & Image Processing., Proceedings of the 12th IAPR International. Conference on , Volu 2 , 9-13 Oct. 1994
Pages:577 - 579 vol.2

[Abstract] [PDF Full-Text (288 KB)] IEEE CNF

8 **A new paradigm for reliable automatic formant tracking**
Laprie, Y.; Berger, M.-O.;
Acoustics, Speech, and Signal Processing, 1994. ICASSP-94., 1994 IEEE International Conference on , Volume: ii , 19-22 April 1994
Pages:II/201 - II/204 vol.2

[Abstract] [PDF Full-Text (304 KB)] IEEE CNF

9 **Resolving edge-line ambiguities using probabilistic relaxation**
Hancock, E.R.;
Computer Vision and Pattern Recognition, 1993. Proceedings CVPR '93., 1993 Computer Society Conference on , 15-17 June 1993
Pages:300 - 306

[Abstract] [PDF Full-Text (612 KB)] IEEE CNF

10 **Hierarchical Hough transform based on pyramidal architecture**
Espinosa, C.; Perkowski, M.A.;
Computers and Communications, 1992. Conference Proceedings., Eleventh Ar International Phoenix Conference on , 1-3 April 1992
Pages:743 - 750

[Abstract] [PDF Full-Text (892 KB)] IEEE CNF

11 **Labeling of curvilinear structure across scales by token grouping**

Saund, E.;
Computer Vision and Pattern Recognition, 1992. Proceedings CVPR '92., 1992 Computer Society Conference on , 15-18 June 1992
Pages:257 - 263

[Abstract] [PDF Full-Text (588 KB)] **IEEE CNF**

---

12 **An approach to line labeling using Markov random fields**
Regier, T.;
System Sciences, 1991. Proceedings of the Twenty-Fourth Annual Hawaii International Conference on , Volume: i , 8-11 Jan. 1991
Pages:514 - 522 vol. 1

[Abstract] [PDF Full-Text (376 KB)] **IEEE CNF**

---

13 **A high-speed algorithm for propagation-type labeling based on blo sorting of runs in binary images**
Shima, Y.; Murakami, T.; Koga, M.; Yashiro, H.; Fujisawa, H.;
Pattern Recognition, 1990. Proceedings., 10th International Conference on , Volume: i , 16-21 June 1990
Pages:655 - 658 vol.1

[Abstract] [PDF Full-Text (364 KB)] **IEEE CNF**

---

14 **Computation of features of 2-D polycurve-encoded boundaries**
Choo, C.Y.; Freeman, H.;
Systems, Man and Cybernetics, 1989. Conference Proceedings., IEEE Internat Conference on , 14-17 Nov. 1989
Pages:1041 - 1047 vol.3

[Abstract] [PDF Full-Text (428 KB)] **IEEE CNF**

Copyright © 2004 IEEE — All rights reserved

h eee e eee g e ch e ch e e c e e e c e

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review

Quick Links

» At

Welcome to IEEE *Xplore*®

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced
- CrossRef

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype GO

Help

To Locate an Author:

1. Enter a last name or select a letter in the alphabet.
2. Once you identify the name, select it to search the database for relevant articles.

1.Options:

» Enter a name to find an author:

fujieda Go

Example:Enter Lockett S to obtain a list of authors with the last name Lockett and first name initial S.
OR» Select a letter to browse the author list:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL

2. Select an author name to search the database for relevant articles:

A Min Tjoa	A Tavora A. S.	A'Hearn K.	A'Ortendahl D.	A'ain A. K
A-Buraiky S.	A-Chang Hsu	A-Cheng Wu	A-Firna T.	A-Ning D
A-Ping Zhang	A-Rahim A. A.	A-Rum Jun	A-Shamsi S.	A-Xin Nie
A. C. Tsoi	A. Fung	A. H. You	A. L. Y. Low	A. LaRivi
A. Min Tjoa	A. T. S. Wee	A. Twumasi Y.	Aa Johannessen E.	Aa'lam N
Aaberg I. A.	Aabo T.	Aabo Y.	Aaby A. A.	Aaccardc
Aach T.	Aad I.	Aadahl P.	Aadland O.	Aadrul Isl
Aadsen D.	Aadsen D. R.	Aaen I.	Aaen P. H.	Aagaah M
Aagaard E.	Aagaard J.	Aagaard M.	Aagaard M. D.	Aagard E
Aagard R.	Aage C.	Aagedal H.	Aagedal J. O.	Aagesen

Next 50

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | ALL

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account | New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online Publications | Help | FAQ | Terms | Back to Top

Copyright © 2004 IEEE — All rights reserved

Refine Search

Search Results -

Terms	Documents
L27 same edge	4

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L28

Refine Search

Recall Text | Clear | Interrupt

Search History

DATE: Wednesday, December 22, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ			
L1	(extract$3 near5 line) same (contour or shape$1) same imag$3	873	L1
L2	L1 same (angle or direction or orientation)	227	L2
L3	L2 same (straight near3 line)	32	L3
L4	L3 same edge	6	L4
L5	l3 same (label$4 or mark$3 or highlight$3)	1	L5
L6	(label$4 or mark$3 or highlight$3) with (line near3 (straight or segment))	4545	L6
L7	L6 same (contour or shape$1)	640	L7
L8	L7 same imag$3	120	L8
L9	L8 same extract$3	10	L9
DB=USPT; PLUR=YES; OP=ADJ			
L10	body shape detection	0	L10
L11	(straight near3 line) same (label$4 or tag$4 or mark$3 or highlight$3) same (contour or shape) same extract$4	9	L11

h e b b cg b e e ch

L12	(extract$4 near5 line) same (contour or shape$1) same (label$4 or tag$4) same imag$3 same (histogram$5 or peak) same edge	0	L12
L13	(extract$4 near5 line) same (contour or shape$1) same ((label$4 or tag$4) near3 line)	9	L13
L14	(extract$4 near3 line) same (boundary or contour or shape$1) same ((label$4 or tag$4) near3 line) same edge	3	L14
L15	label$5 and mariam	115	L15
L16	label$5 same edge	15621	L16
L17	L16 and mariam	20	L17
L18	target same imag$3 same (straight near1 line) same edge same label$5	0	L18
L19	extract$4 near3 line segment	142	L19
L20	L19 same edge	36	L20
L21	L20 same label$5	2	L21
L22	(edge near1 pixel) same (label$3 ner3 line) same extract$4	0	L22
L23	(label$4 near1 line) with common	98	L23
L24	L23 same edge	2	L24
L25	(line near3 label$4) same (straight near1 line)	235	L25
L26	L25 same imag$3	12	L26
L27	(pixel near3 label$4) same (line near2 label$4) same imag$3	30	L27
L28	L27 same edge	4	L28

END OF SEARCH HISTORY

h e b b cg b e e ch